

Originator : NATHAN CROP  
Planner : JIMMIE KNAPP  
Drawing No : 1CCE-M2014  
Equip No/Cat: 1CCE--A 0  
Project ID : 1CCE-FAN-1A1  
Shutdown : U Unit  
Ref No : IGS02-07

Schedule Date :  
Priority : 3A  
Clearance : NO  
Tag Request :  
Text ID :  
Frequency : NOT SCHEDULED  
Last Reading : No Reading

Date Completed: \_\_\_\_\_ Failure Code: \_\_\_\_\_  
Completed By : \_\_\_\_\_ Signature : \_\_\_\_\_  
Accepted By : \_\_\_\_\_ Signature : \_\_\_\_\_

**\*\* Delay Codes Legend \*\***  
W=Whse C=CrSp T=Tag TL=Tool P=Plan  
**\*\* Record Time Daily \*\***  
Delays  
Code/Hrs

Step	Job Scope	MN	DY	Safety and Additional Information	Emp No	Date	Hours	Delays Code/Hrs
1	INSTALL MODICON REED RELAY OUTPUT MODULES AND MAKE WIRING CHANGES TO ID FAN 1A REMOTE I/O CABINET 31 DURING APRIL OF 2007 OUTAGE. 1690.0511 & 1690.061051 ***** JOB SCOPE: 1. DISCUSS THE WORK TO BE DONE WITH THE UNIT OPERATOR. INFORM HIM OF ANY PROBLEMS WITH ALARMS, CONTROLS, OR INDICATIONS THAT MAY OCCUR AS A RESULT OF THIS WORK.  2. CORRECT ALL PROBLEMS FOUND ON THIS WORK ORDER UNLESS PARTS ARE NEEDED THAT ARE NOT IN THE WAREHOUSE OR A CLEARANCE IS NEEDED TO DO THE JOB SAFELY.  3. REVIEW THE ATTACHED WIRING DRAWINGS WITH NATHAN CROP AND VERIFY THE AS FOUND WIRING IS AS SHOWN ON THE DRAWING.  4. CHANGE THE WIRING AS SHOWN ON THE ATTACHED WIRING DRAWING AND CONTACT NATHAN FOR AN INSPECTION OF THE NEW WIRING. HE SHOULD VERIFY IT IS WIRED AS REQUIRED.  5. INSTALL THE NEW REED RELAY MODULE AND MODIFY THE PROGRAM AS NEEDED TO COMPLETE THIS MODIFICATION.  6. CONTACT NATHAN CROP TO VERIFY THE SYSTEM WILL FUNCTION AS REQUIRED.  7. PLEASE NOTE ALL PROBLEMS FOUND AND ANY CORRECTIVE ACTION TAKEN TO RETURN THE	2	1	***** SAFETY / ENVIRONMENTAL REQUIREMENTS: A. BE AWARE OF OTHER OUTAGE WORK IN PROGRESS DURING THIS WORK. B. BE AWARE OF THE ENERGIZED ELECTRICAL CIRCUITS IN THE MODICON CABINETS. ***** ADDITIONAL INFORMATION: a. WORK WITH THE OTHER CRAFTS THAT ARE WORKING ON THE ID FAN MODIFICATION. DON'T DO ANYTHING THAT WILL CAUSE A PROBLEM WITH THE WORK SOMEONE ELSE IS DOING. b. THE MODICON REMOTE I/O IS LOCATED IN THE AQCS ELECTRICAL EQUIPMENT ROOM, GROUND FLOOR, NEXT TO THE CONTROL ROOM. c. JOHN FRITZGES WILL HAVE THE REED RELAY MODULES FOR THIS WORK. d. NATHAN CROP WILL BE THE ENGINEER OVER THIS WORK. HE CAN BE REACHED AT EXTENSION 6483 OR ON THE RADIO, CHANNEL ONE. e. THE WIRING DIAGRAM FOR THIS WORK ARE 1CCE-K2805B. VERIFY ALL WIRING ON THE CONSTRUCTION DRAWING IS DONE AND NATHAN CROP HAS INSPECTED IT. f. THE MODULES AND WIRING SHOULD BE DONE ON THE MONDAY AND TUESDAY OF THE UNIT OUTAGE. g. THE NEW LADDER LOGIC PROGRAM SHOULD BE LOADED INTO THE MODICON ON THE THIRD AND FOURTH OF APRIL (TUESDAY & WEDNESDAY) h. ON THE 7TH THRU THE 9TH OF APRIL THE I/O POINTS FOR THE ID FAN DRIVES MUST BE CHECKED AND VERIFIED. THIS IS THE ANALOG 4-20MA SIGNAL MOTOR VOLTS, SPEED FEED BACK FOR DCS, SPEED FEED BACK FOR INDICATION,				

**\*\* IMPORTANT NOTICE \*\***  
YOU ARE RESPONSIBLE FOR YOUR OWN SAFETY AND MUST ENSURE THAT THE REQUIRED PPE IS WORN FOR EVERY JOB YOU ARE DOING. IF YOU HAVE ANY QUESTIONS CONCERNING THE WORK RULES, SAFETY CODES, OR REQUIRED PPE, PLEASE CONTACT YOUR SUPERVISOR.

Job Feedback/Historical Notes:



IP7013375

Step	Job Scope Cont'd	MN	DY	Safety and Additional Information Cont'd	Notes Cont'd:
1	SYSTEM TO NORMAL OPERATION.			AND MOTOR CURRENT. i. THE DYNALCO SPEED SWITCHES IN THE ID FAN MOTORS WILL NEVER BE USED AGAIN AFTER THIS OUTAGE. THE JUNCTION BOX WHERE IT IS INSTALLED SHOULD BE GUTTED OUT AND REPLACED WITH A TERMINAL BLOCK. A 4-20MA SIGNAL WILL STILL BE GOING THROUGH THIS BOX.	

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CREW: 192

WORK ORDER TYPE: MODIFICATIONS

02-53663-69

ISSUE DATE 01/06/11

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\*\* Work Order Parts List \*\*

Part No	Description	PO/Req/SIR	Date Due	U/M	Reqd	Commit	Issued/Rcvd
1 28951	MODULE, OUTPUT	S 364223	04/01/07	EA	2	0	2
2 51577	TERMINAL, RING TONGUE	S 364222	04/01/07	EA	100	0	100

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